

Fig. 1

~~SECRET~~

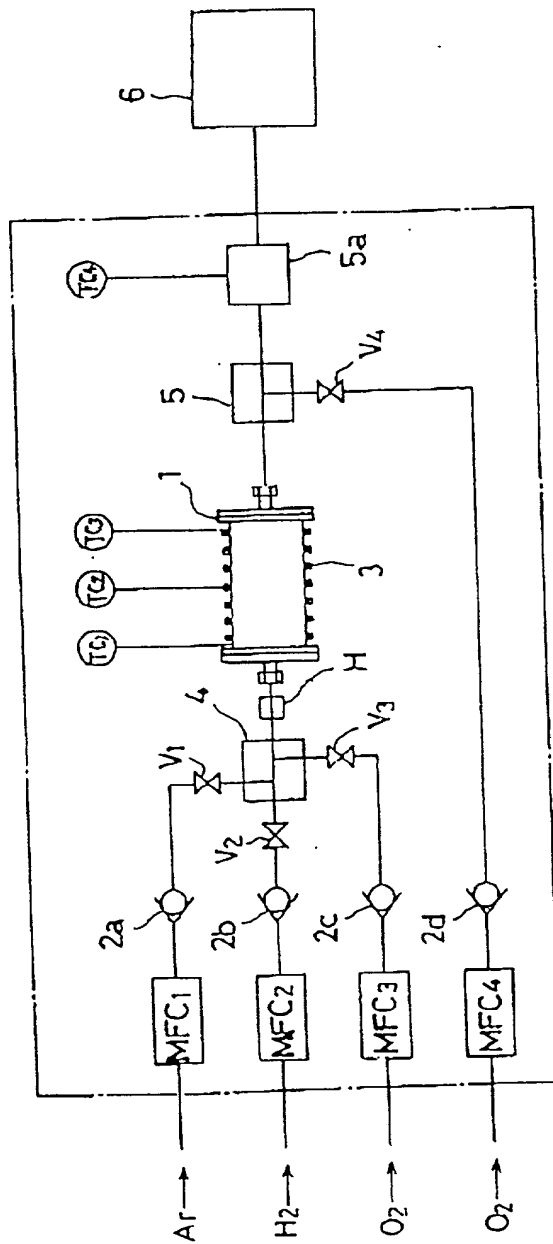
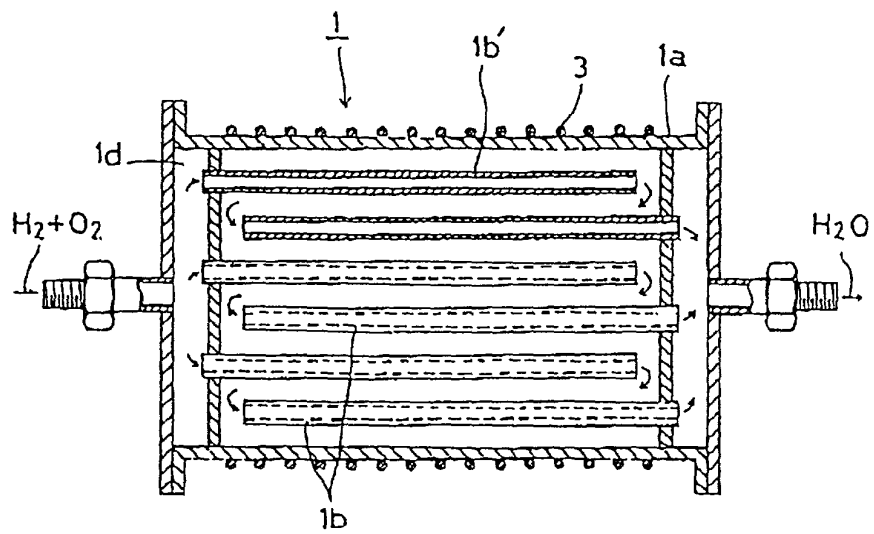


Fig. 2

2



3

Fig. 3

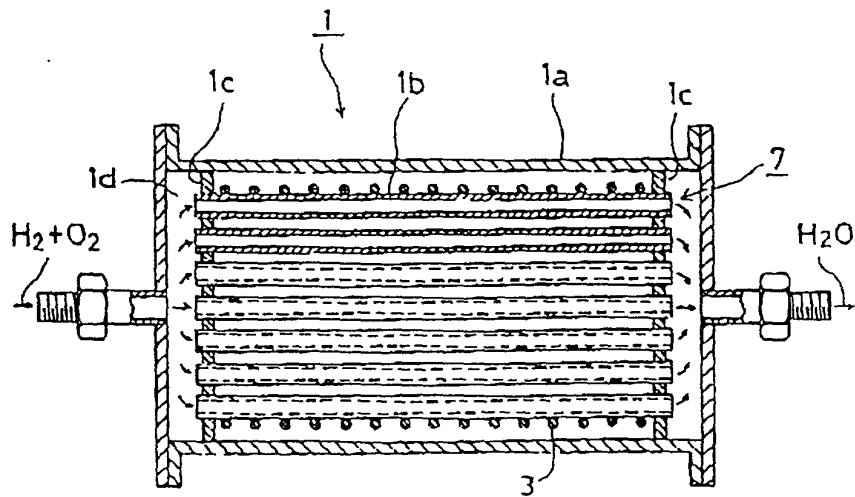


Fig. 4

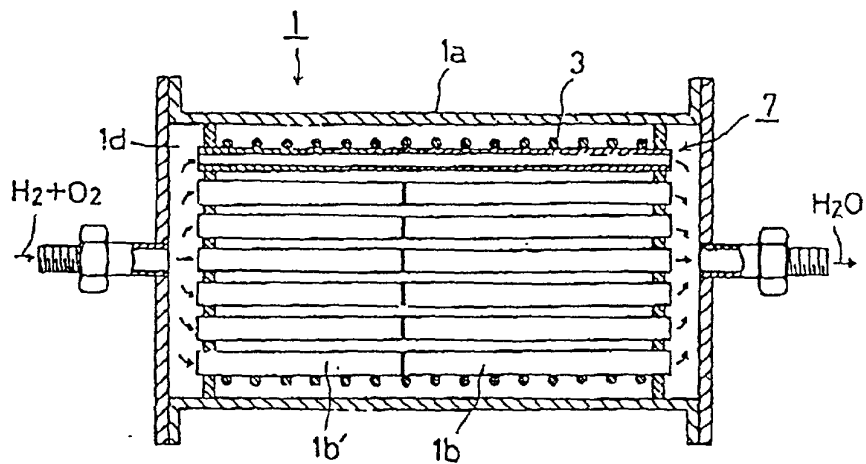


Fig. 5

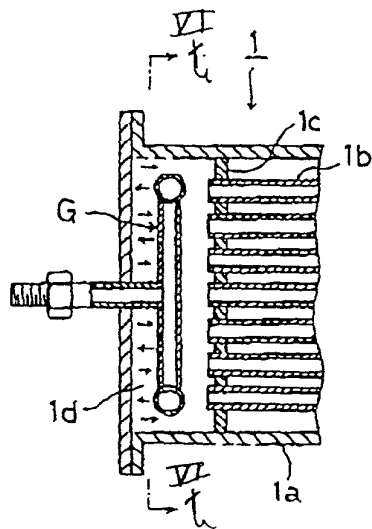


Fig. 6

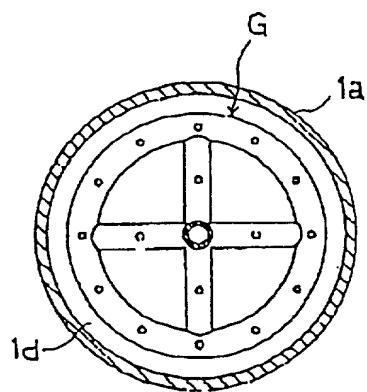


Fig. 7

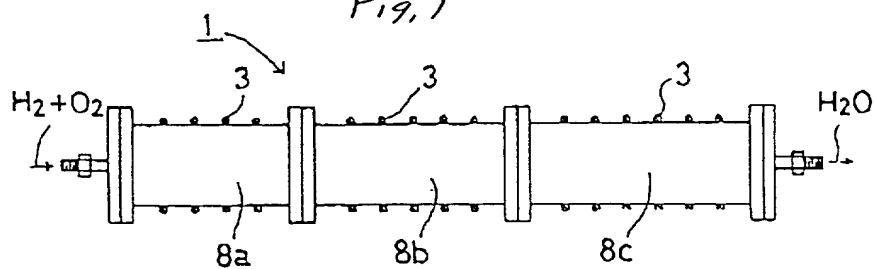


Fig. 8

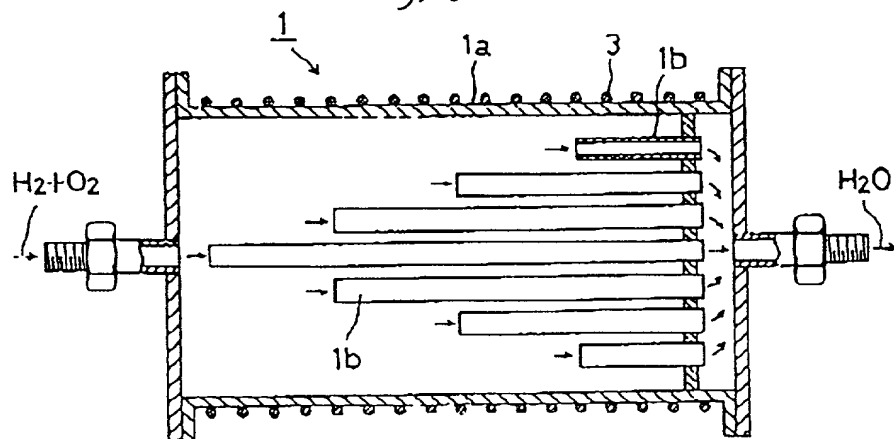
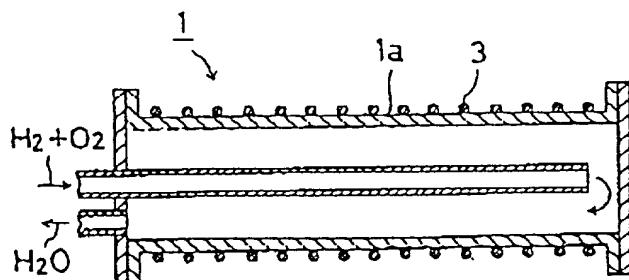
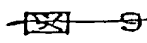


Fig. 9,



~~Fig. 10~~ Fig. 10

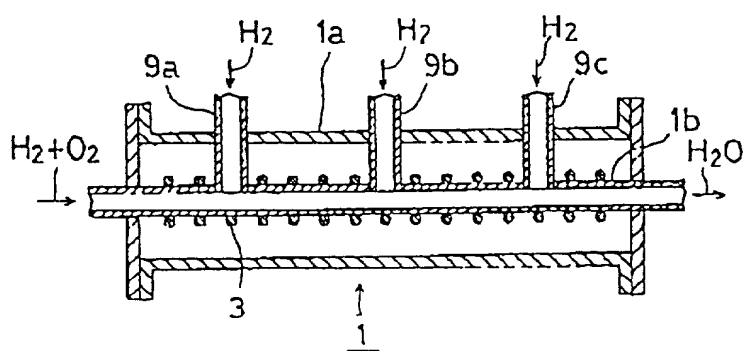


Fig. 11

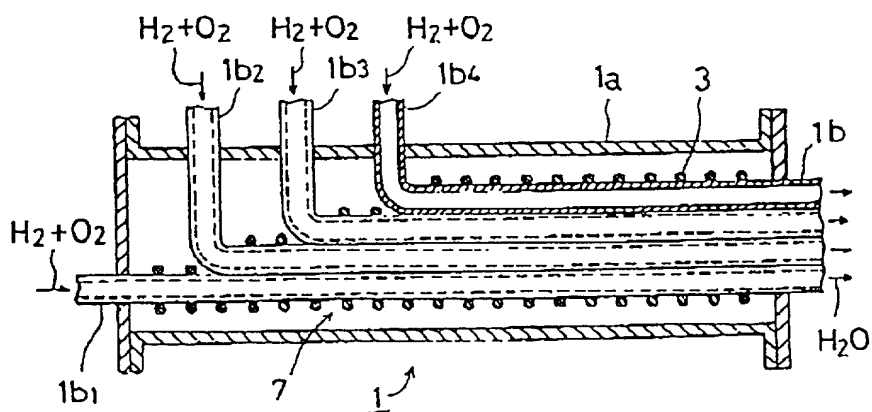
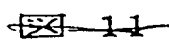
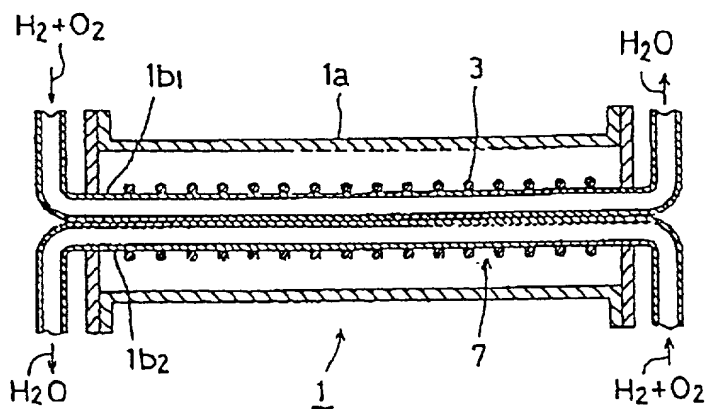


Fig. 12

~~Fig. 12~~



~~Fig. 13~~

Fig. 13

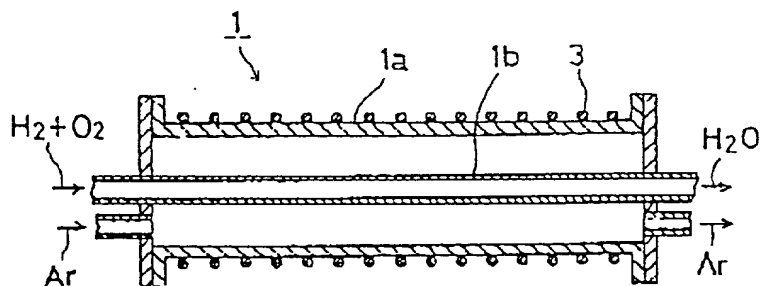


Fig. 14

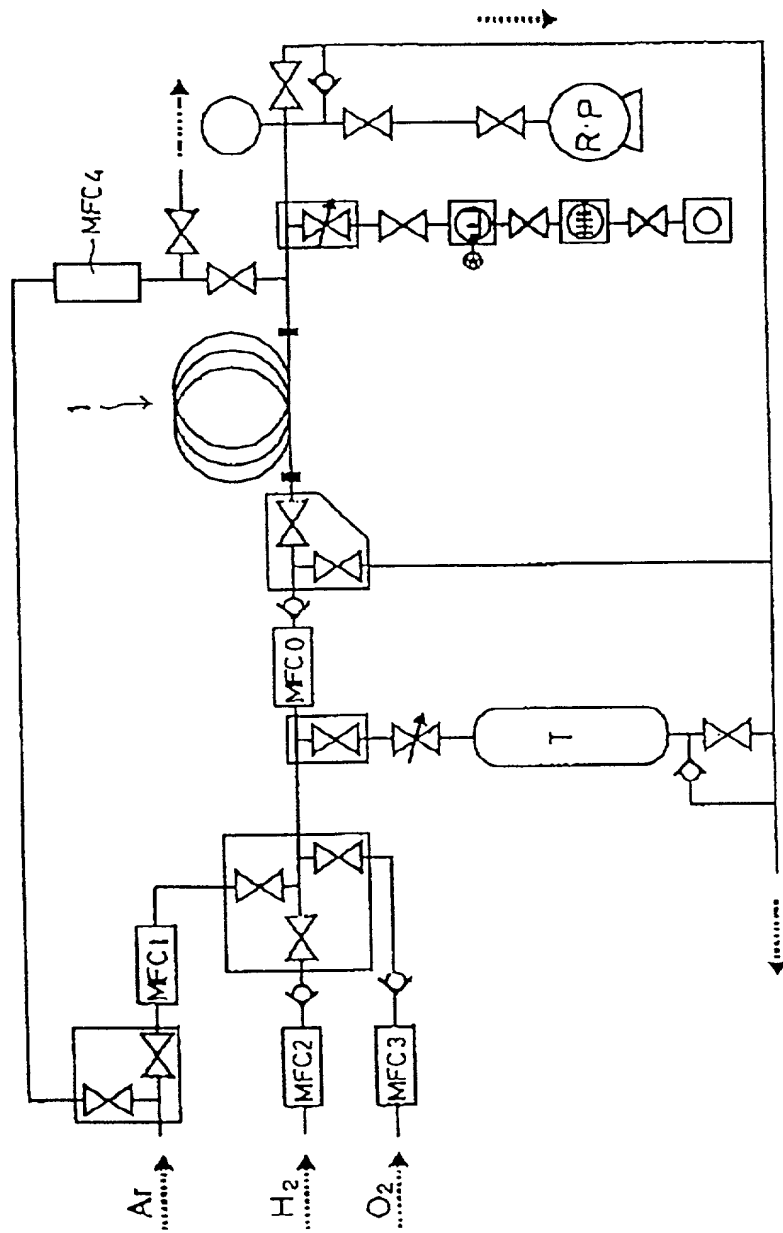


Fig. 15

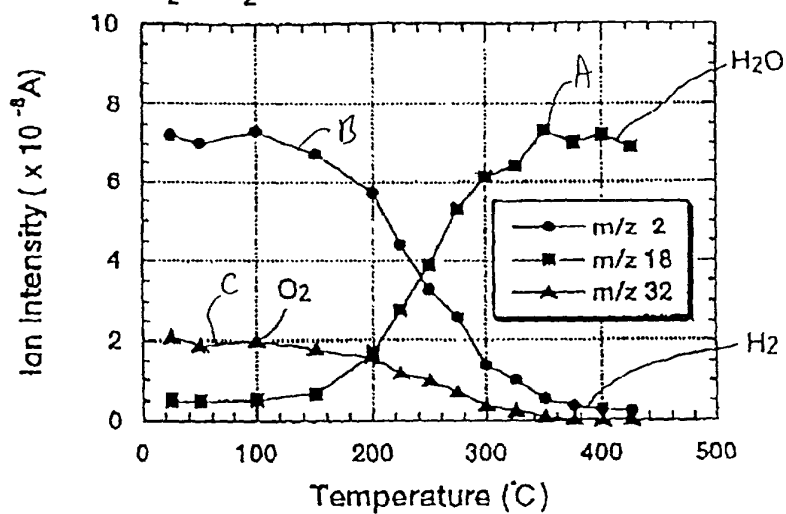
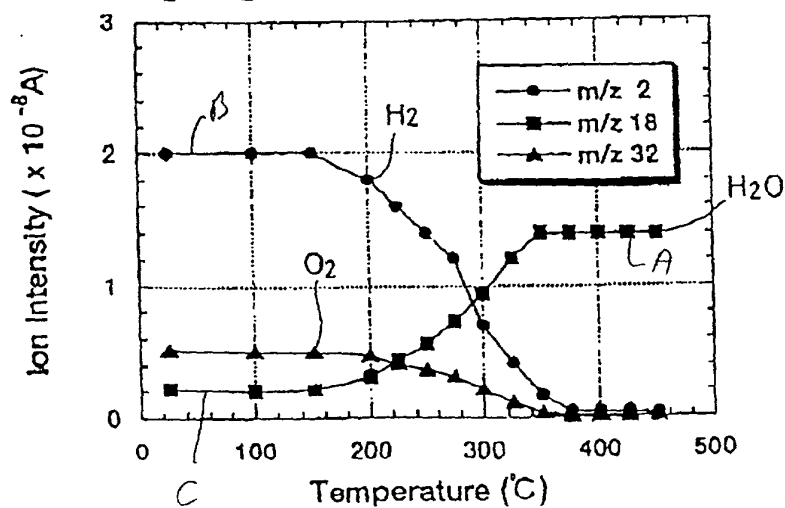
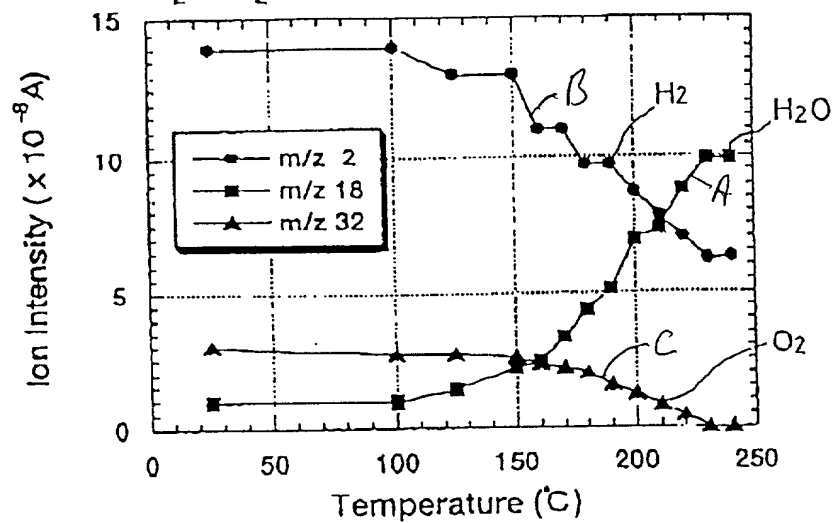
~~Fig. 15~~ $H_2 : O_2 = 67\% : 33\%$, 25scc/min~~Fig. 16~~ Fig. 16 $H_2 : O_2 = 20\% : 10\%$, 75scc/min

Fig. 17
~~Fig. 17~~

$H_2 : O_2 = 75\% : 25\%$, 25scc/min



~~Fig. 18~~ Fig. 18

$H_2 : O_2 = 30\% : 10\%$, 25scc/min

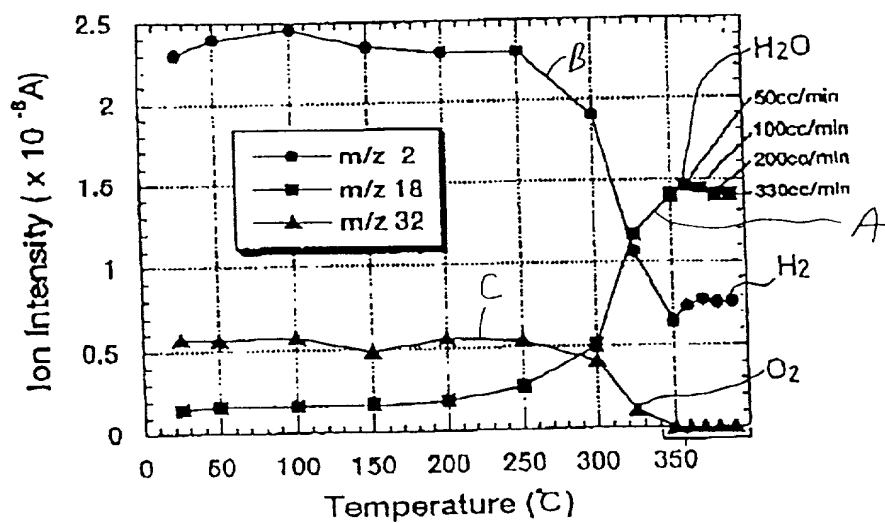
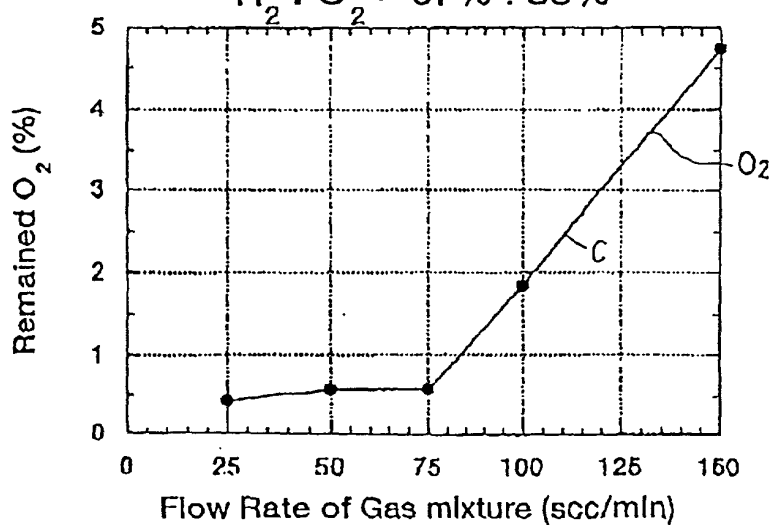


Fig. 19
~~Fig. 19~~

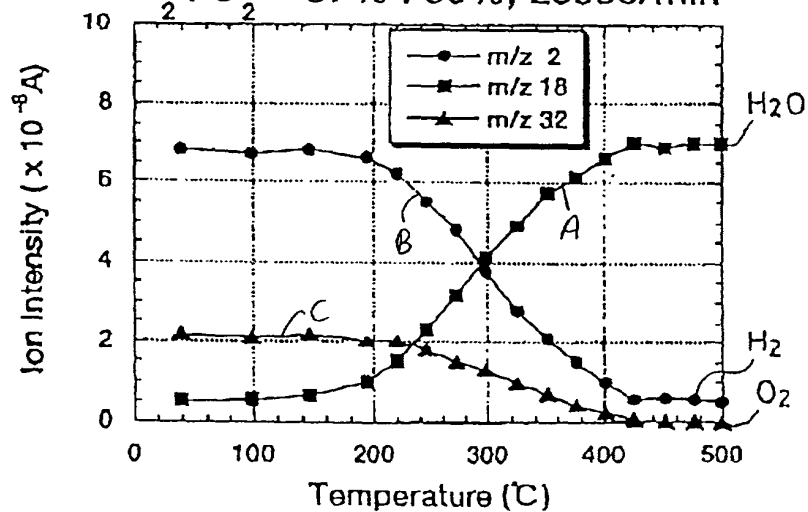
Ni Tube (1/4 inch x 2m) , 500°C
 $H_2 : O_2 = 67\% : 33\%$



~~Fig. 20~~ Fig. 20

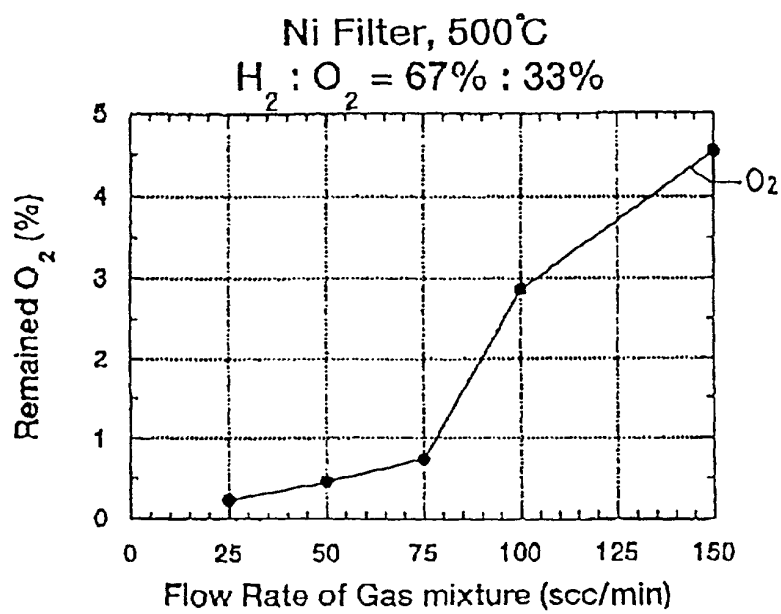
Ni Filter

$H_2 : O_2 = 67\% : 33\%$, 25scc/min



~~Fig. 21~~

Fig. 21



~~Fig. 22~~

Fig. 22

Ni Ribbon (t 0.3 x 20 x 1000mm)

H₂ : O₂ = 67% : 33%, 25scc/min

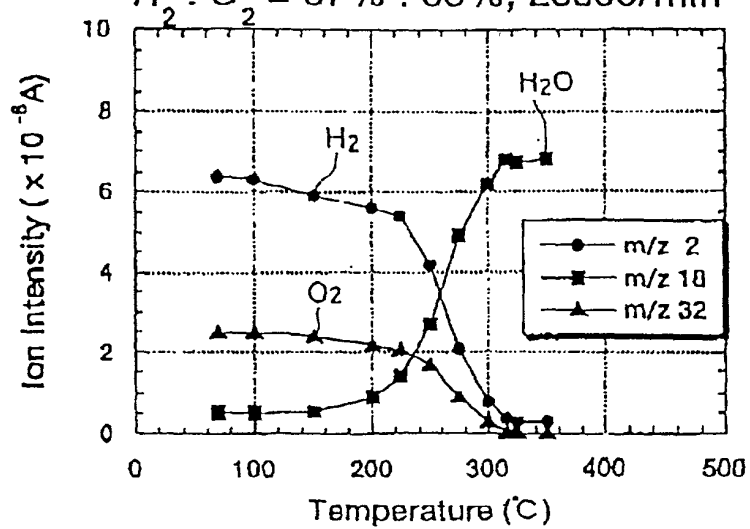
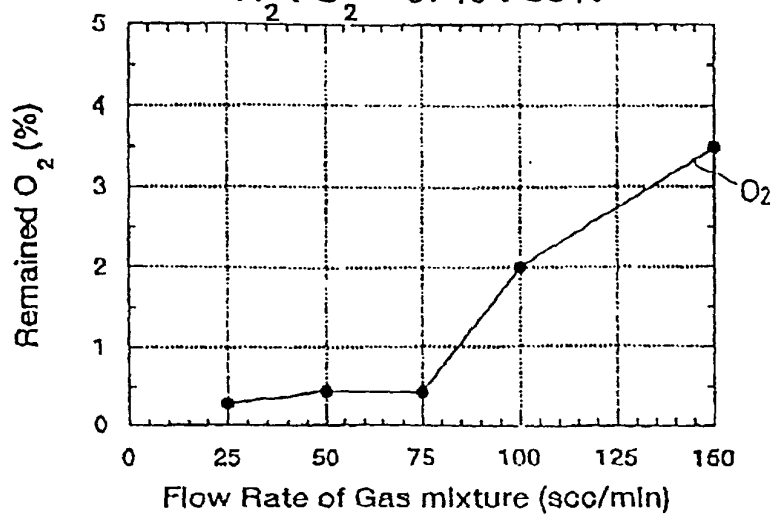


Fig. 23
~~Fig. 23~~

Ni Ribbon (t 0.3 x 20 x 1000mm) , 500°C

$H_2 : O_2 = 67\% : 33\%$



~~Fig. 24~~ Fig. 24

500°C, 25scc/min

RESPONSIVENESS (AFTER STOP OF GAS SUPPLY)

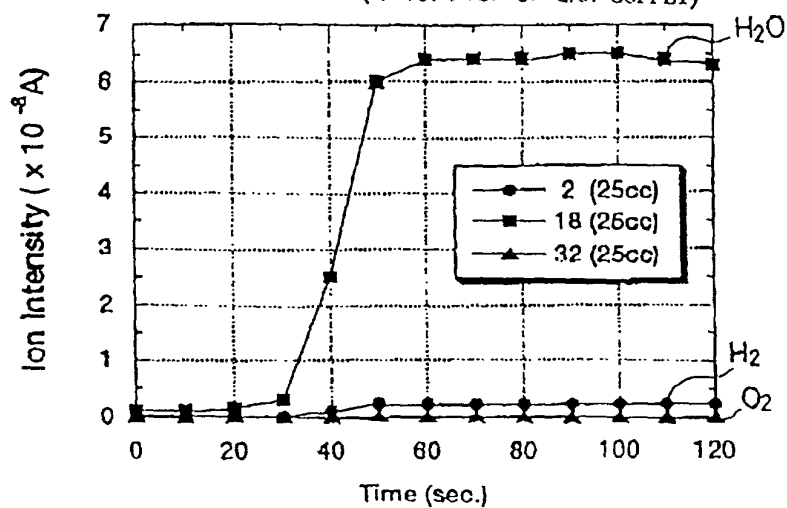
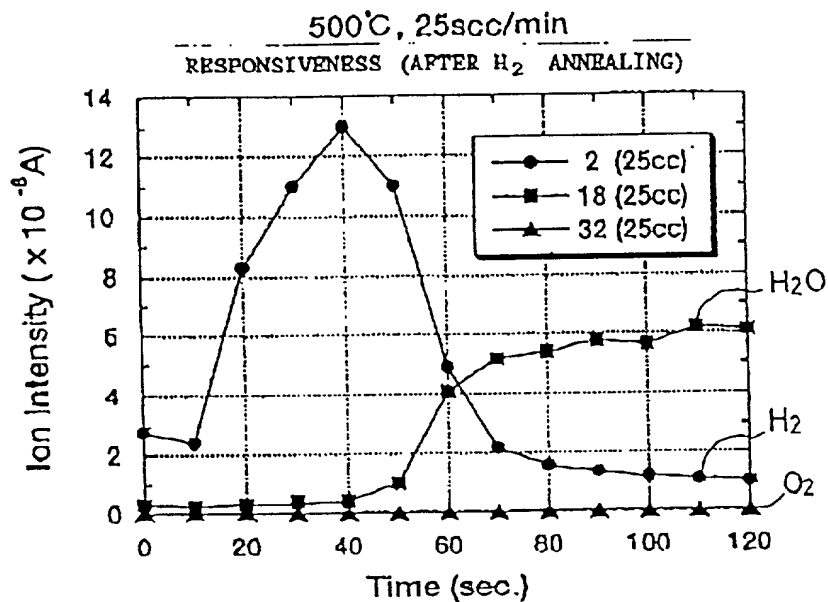


Fig. 25
~~Fig. 25~~



~~Fig. 26~~ Fig. 26

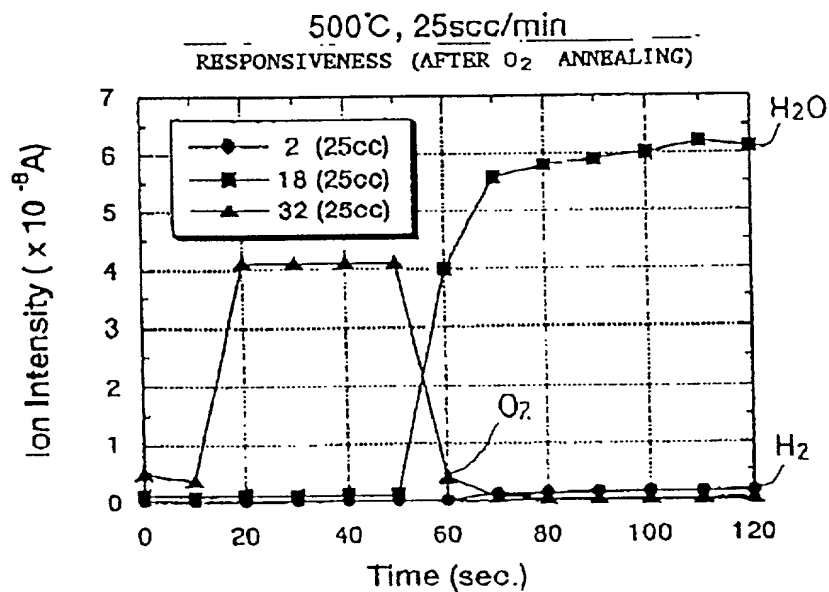


Fig. 27
~~Fig. 27~~

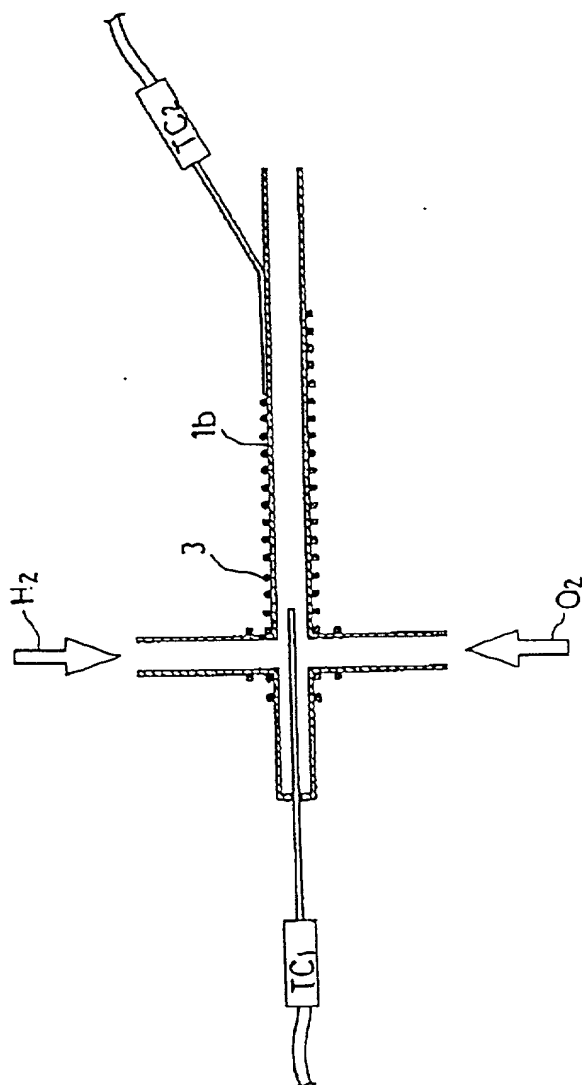


Fig. 28

~~28~~

$H_2 : O_2 = 2 : 1$

H_2 : 100 sec/min
 O_2 : 50 sec/min
 610°C

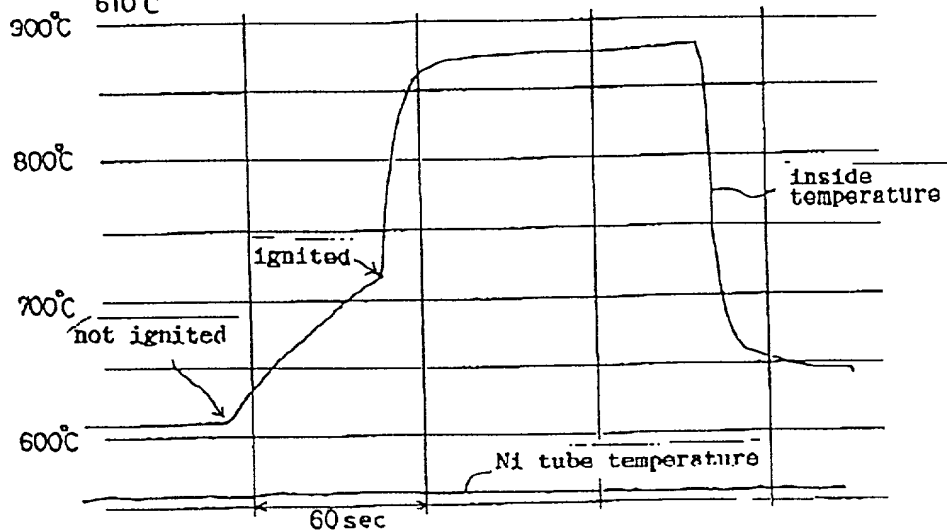
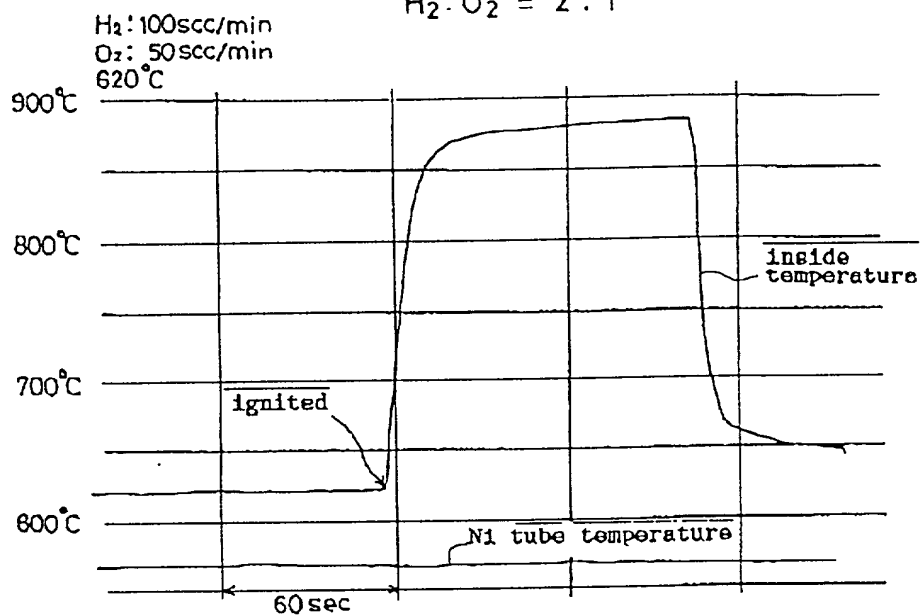


Fig. 29

~~Fig. 29~~

$H_2:O_2 = 2:1$



~~Fig. 30~~ Fig. 30

$H_2:O_2 = 3:1$

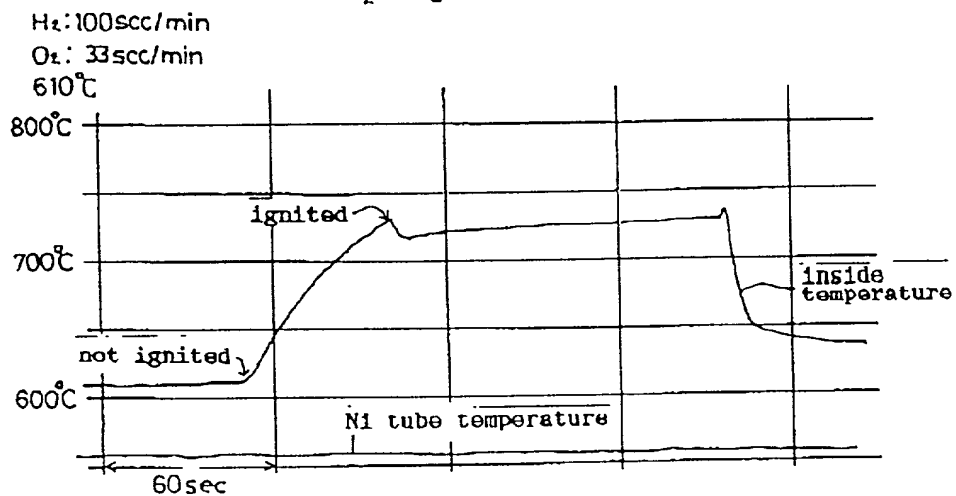


Fig. 3)

~~Fig. 3)~~

H₂: 100 scc/min
O₂: 33 scc/min
620°C

H₂: O₂ = 3 : 1

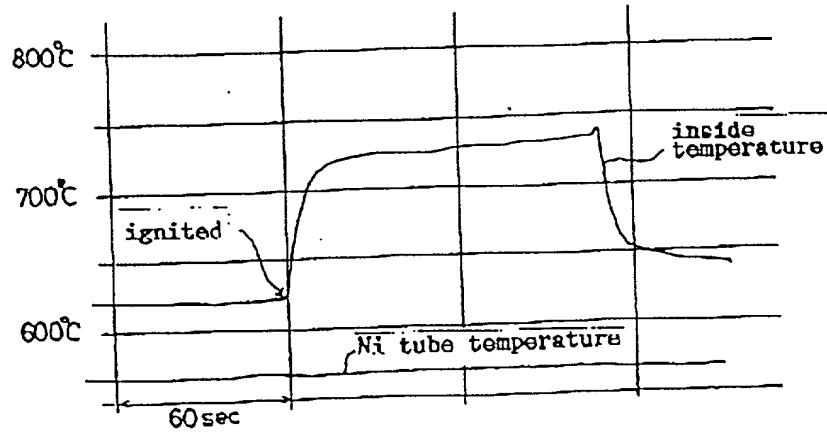


Fig. 32

~~Fig. 32~~

$H_2 : O_2 = 4 : 3$

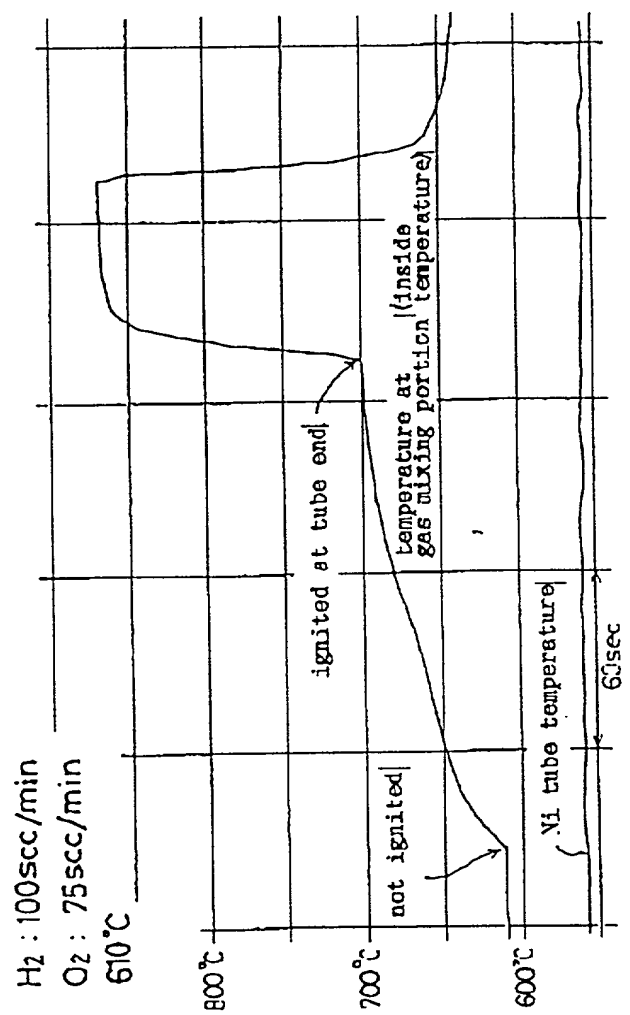
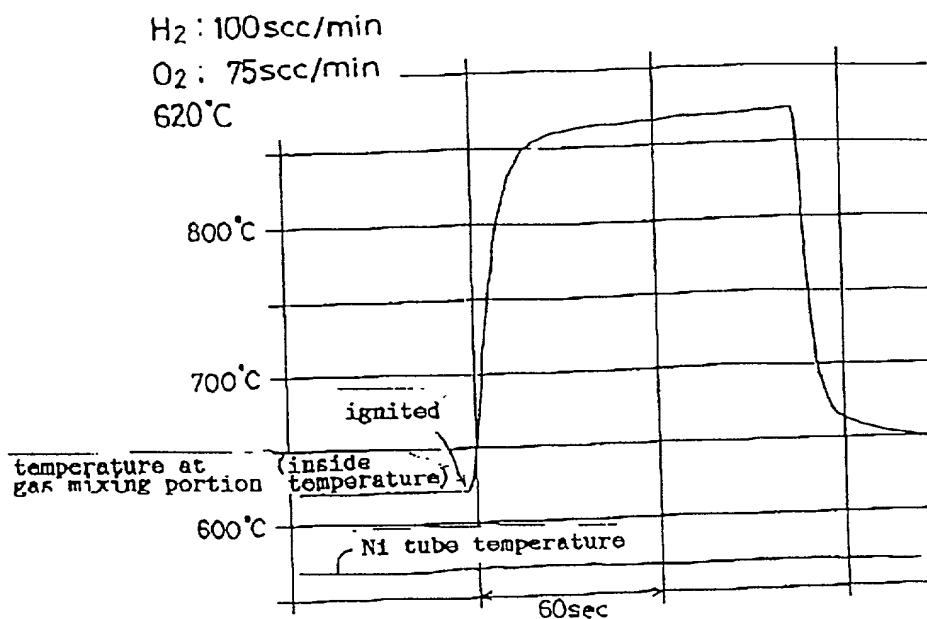


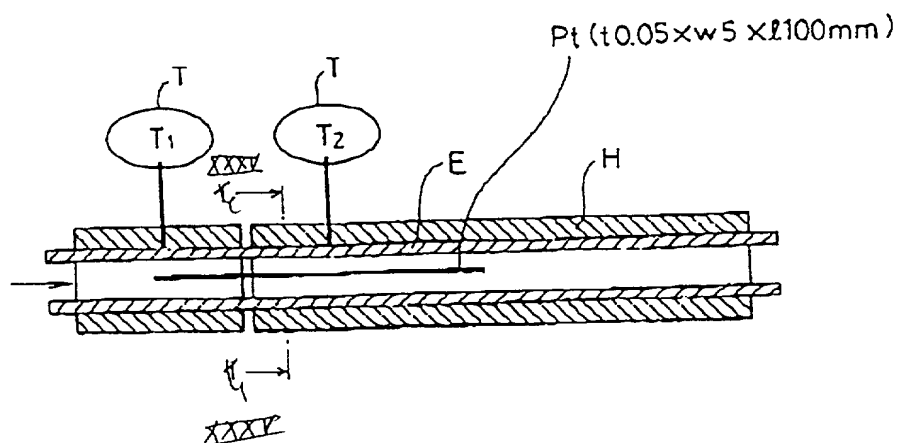
Fig. 33

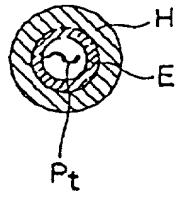
~~Fig. 33~~



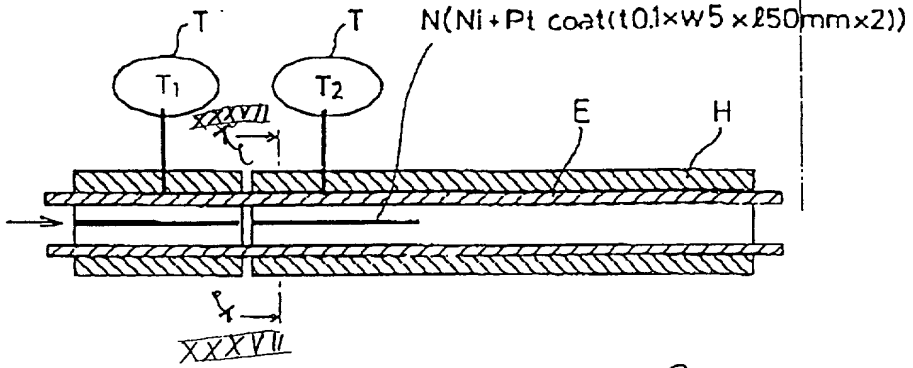
~~Fig. 34~~

Fig. 34



~~35~~

~~24~~ 38



~~37~~

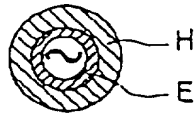
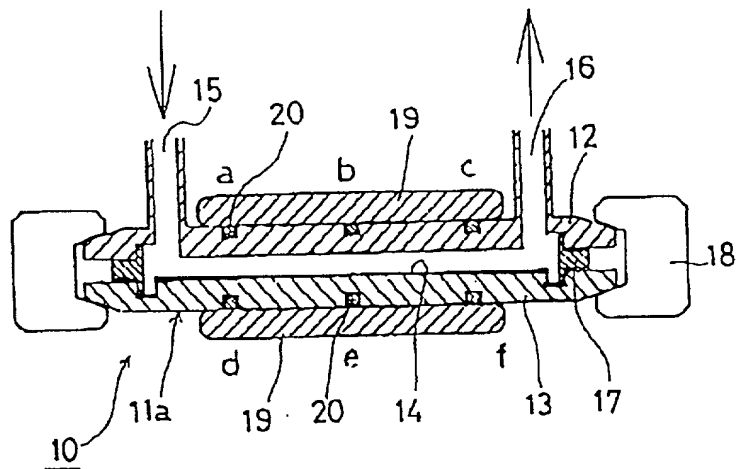


Fig. 38

~~Fig. 38~~



~~Fig. 39~~ Fig. 39

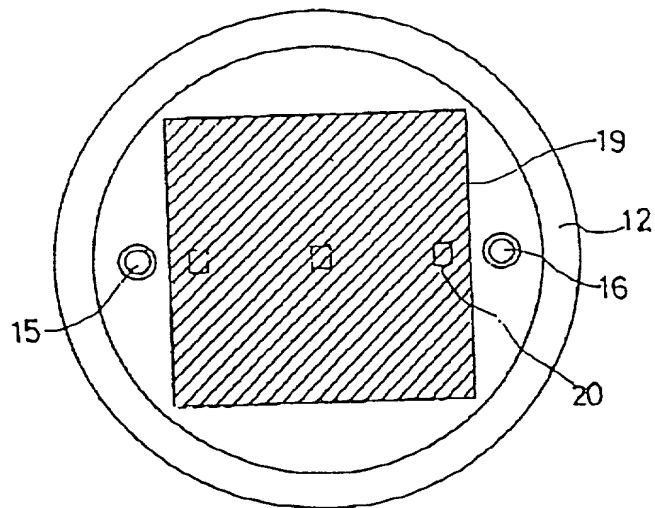


Fig. 40

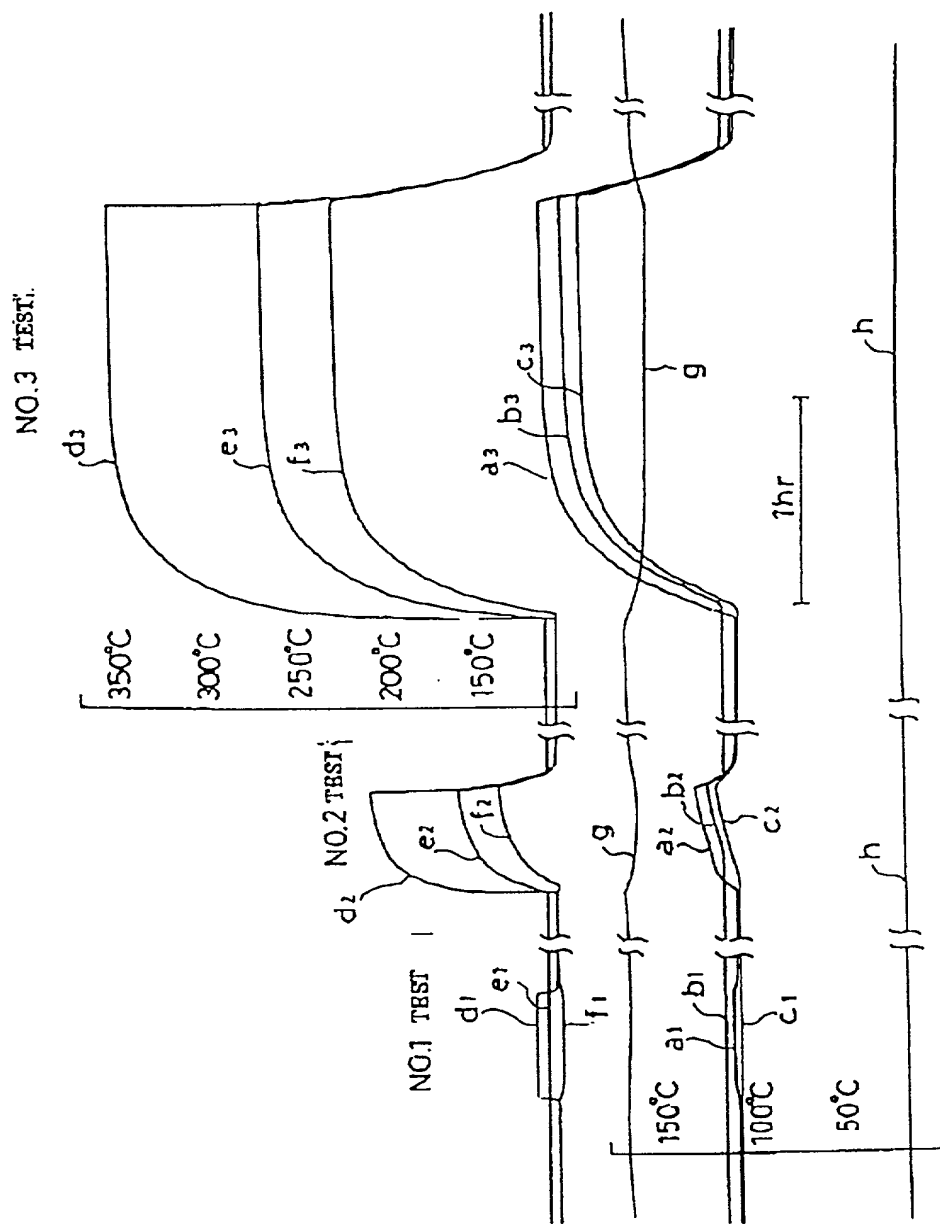


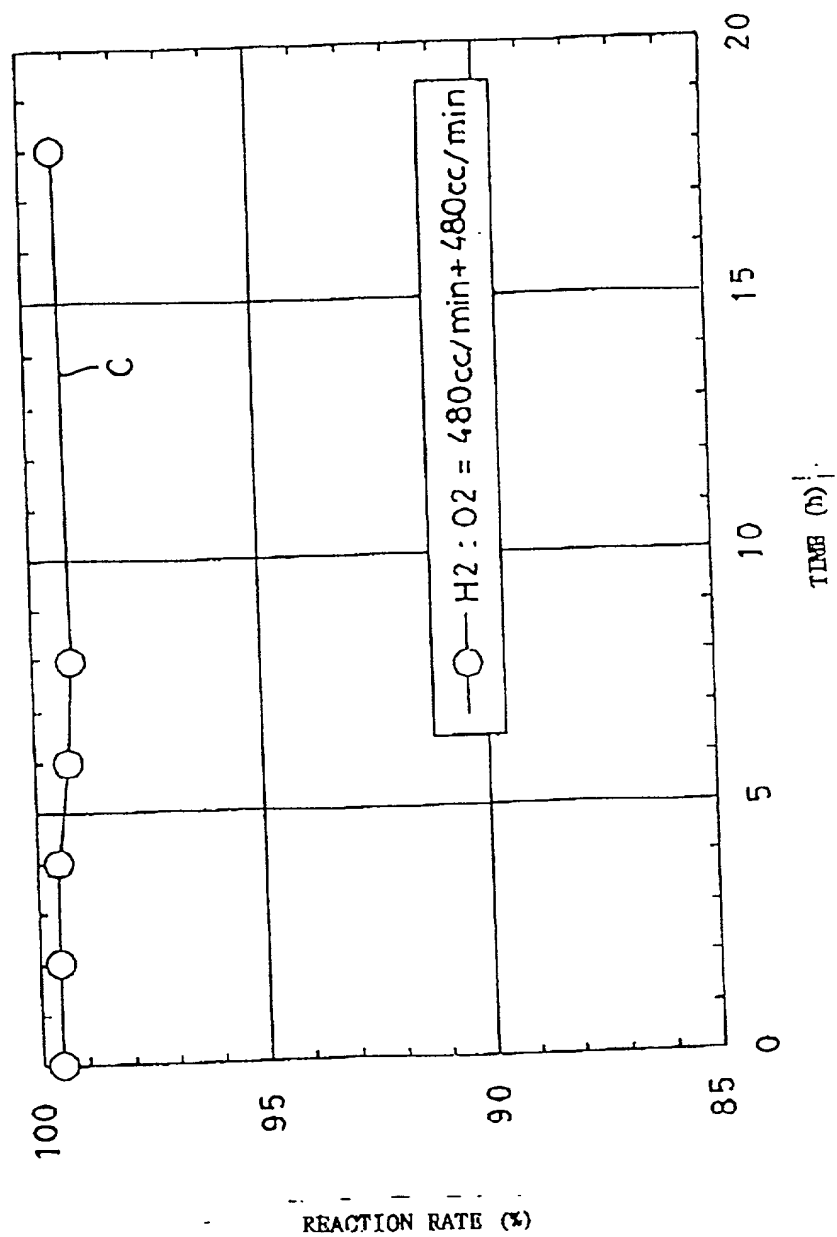
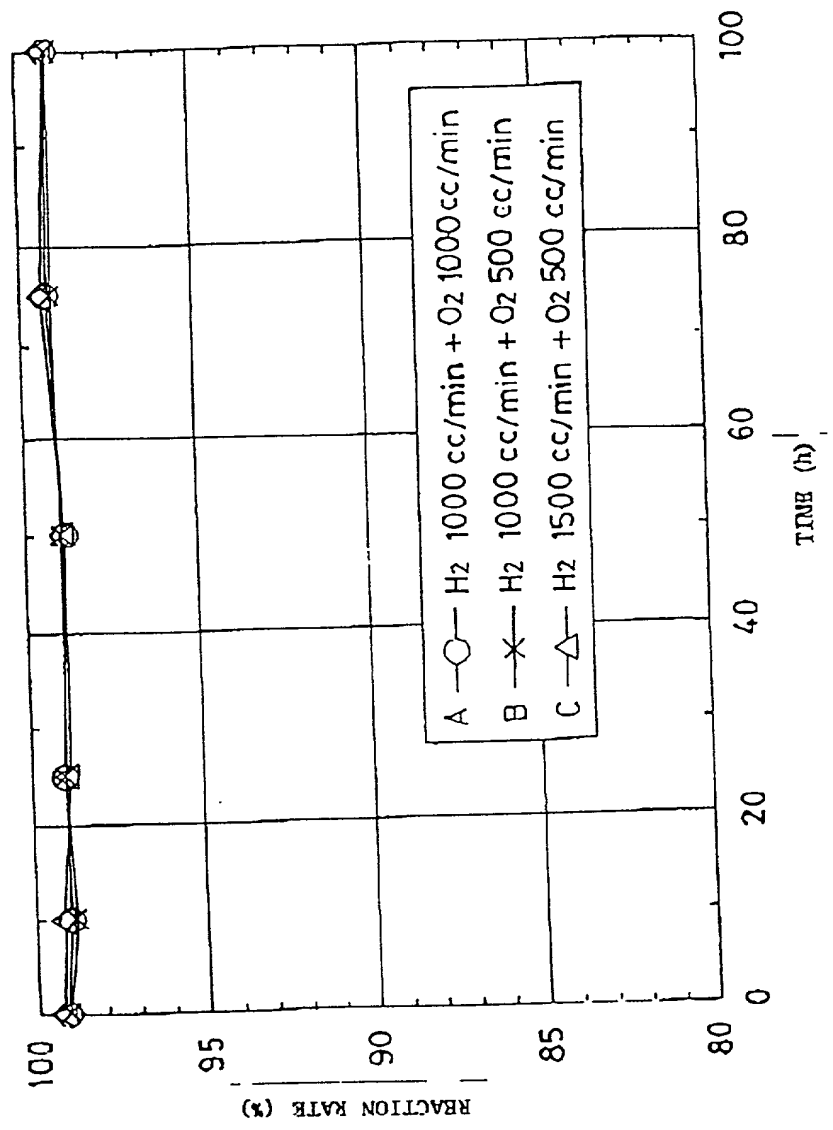
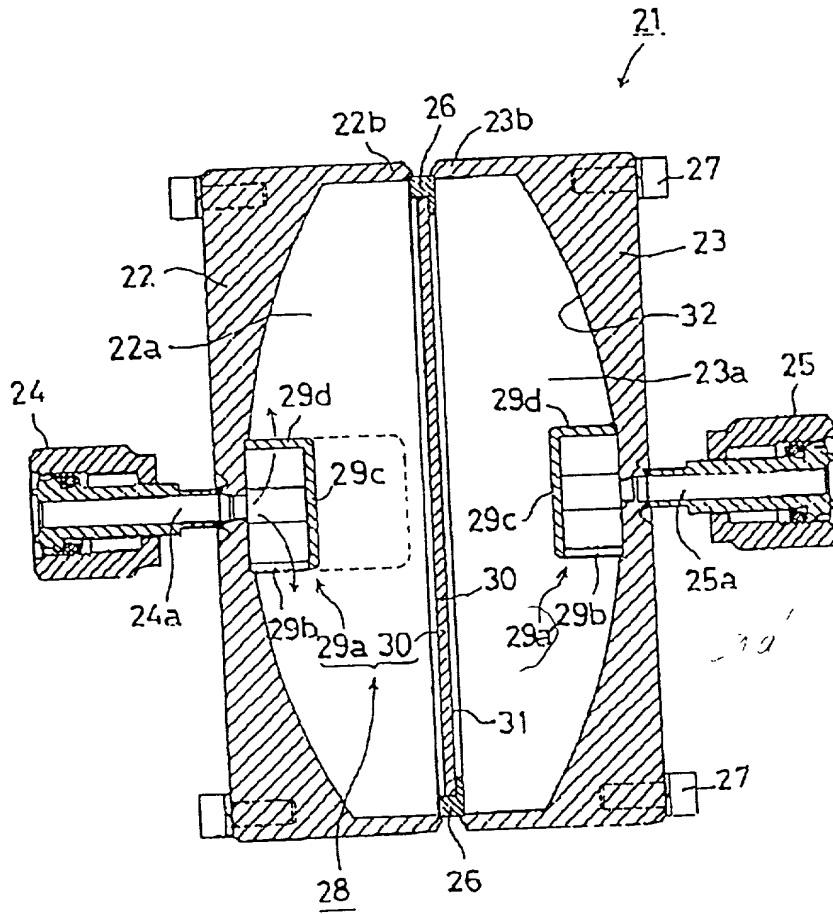
Fig. 41
~~Fig. 41~~

Fig. 42
~~42~~



~~Fig. 43~~
Fig. 43



~~Fig. 44~~
Fig. 44

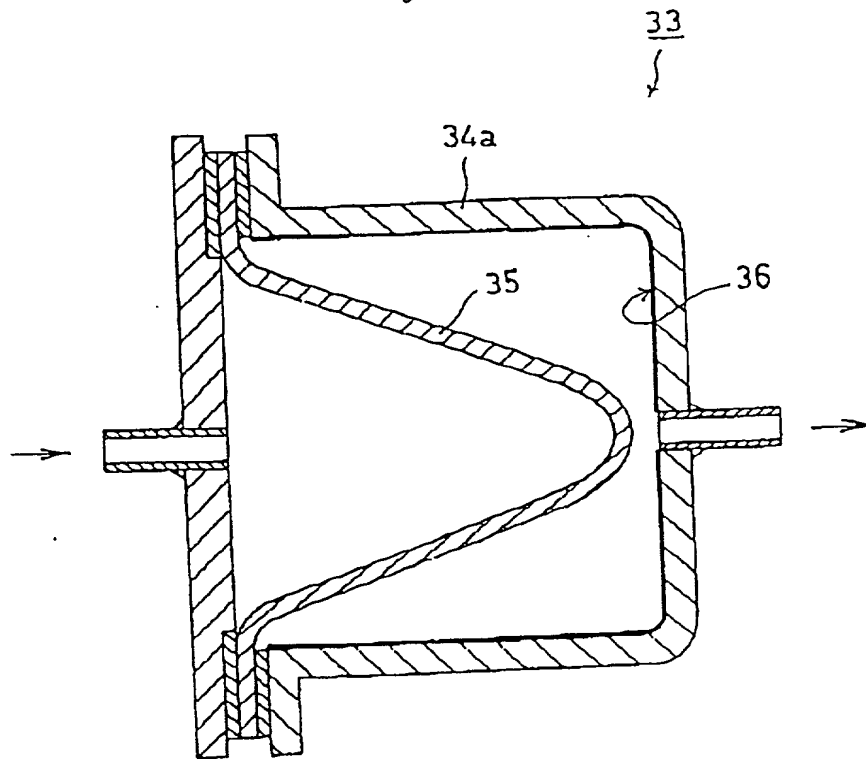


Fig. 45

~~Fig. 45~~

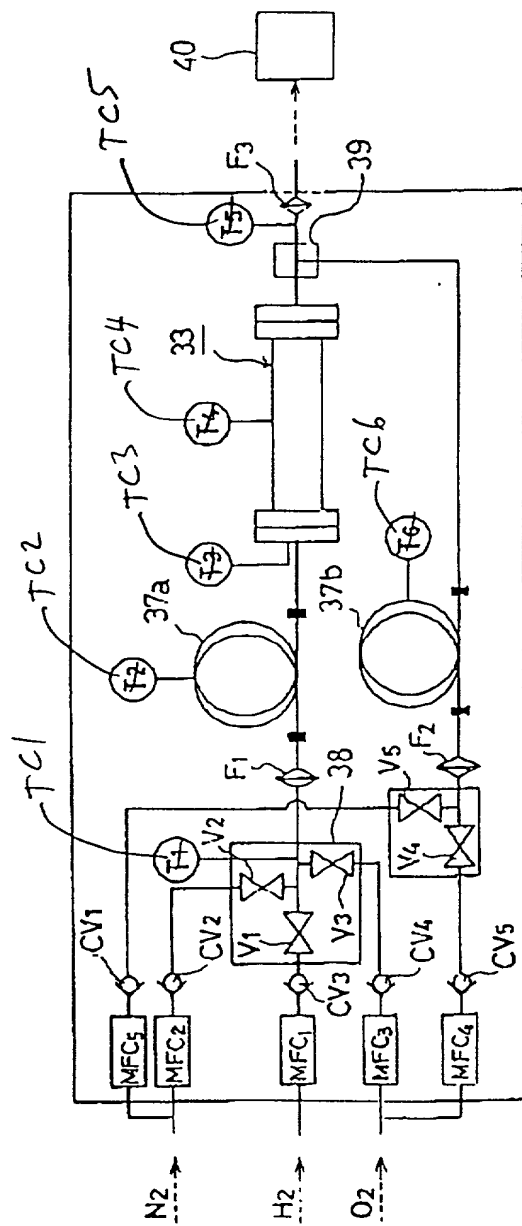
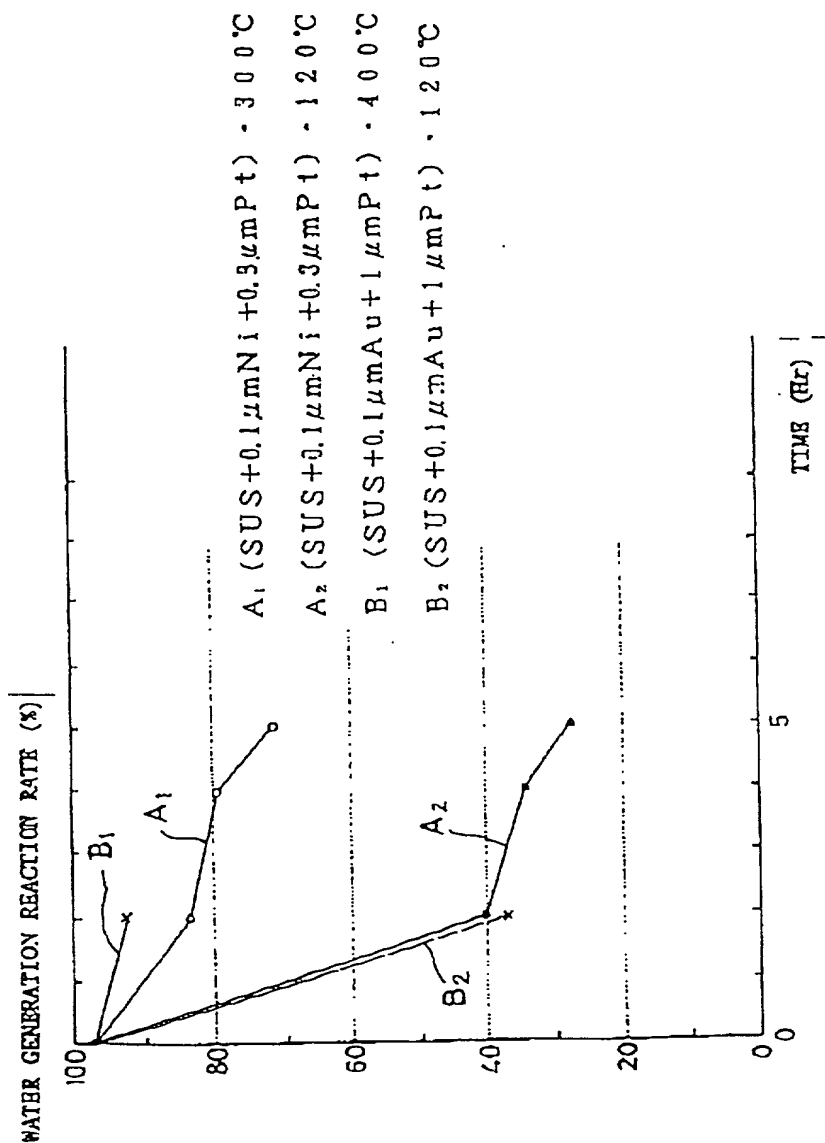
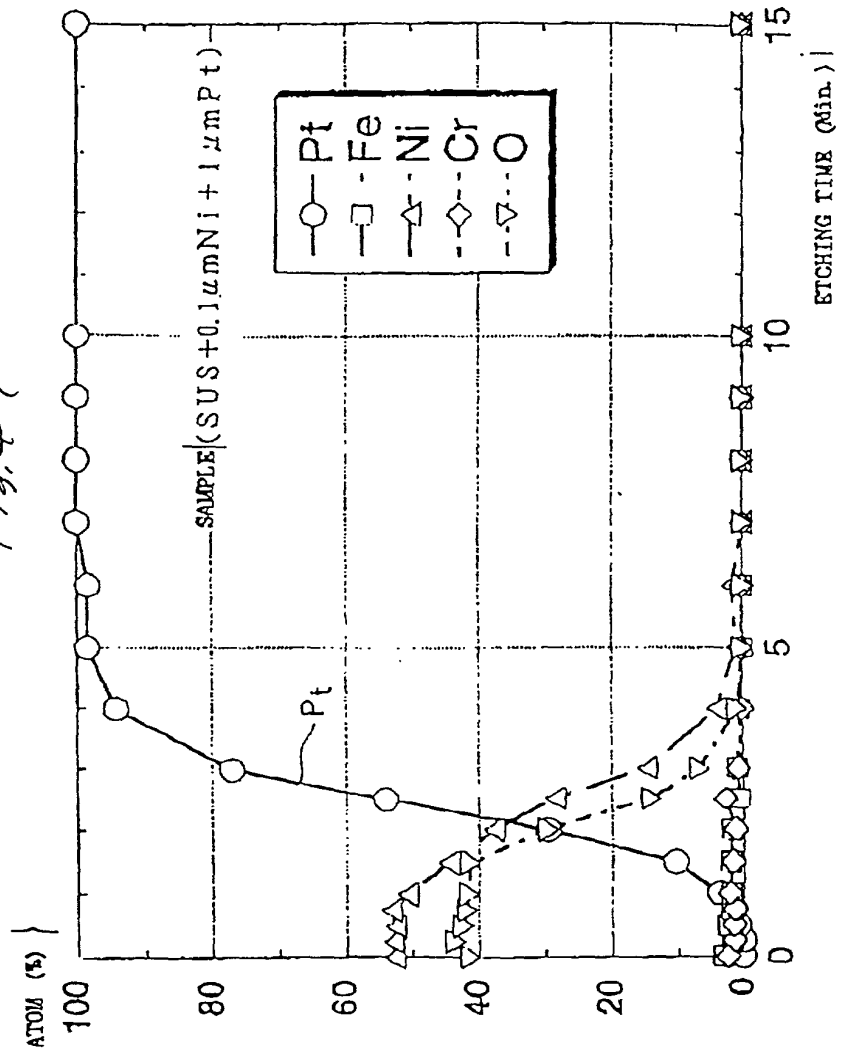


Fig. 46
~~Fig 46~~



CONFIDENTIAL

~~Fig. 47~~
Fig. 47



~~Fig. 48~~
Fig. 48

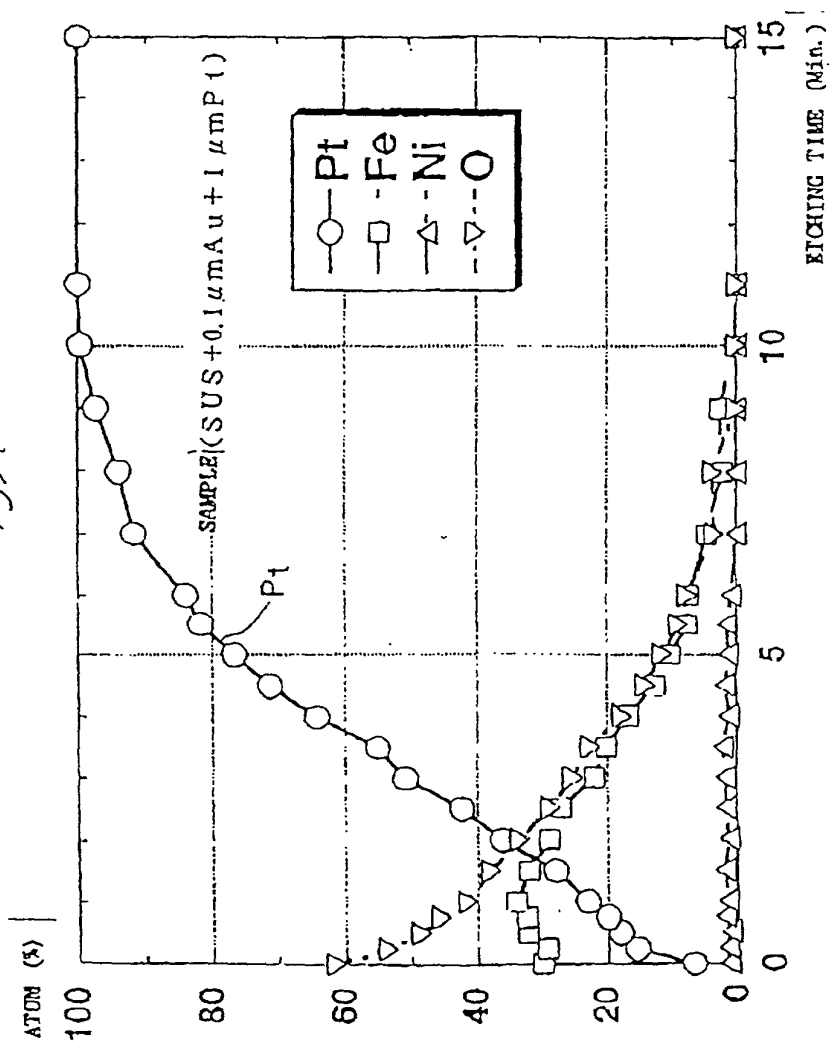


Fig. 49

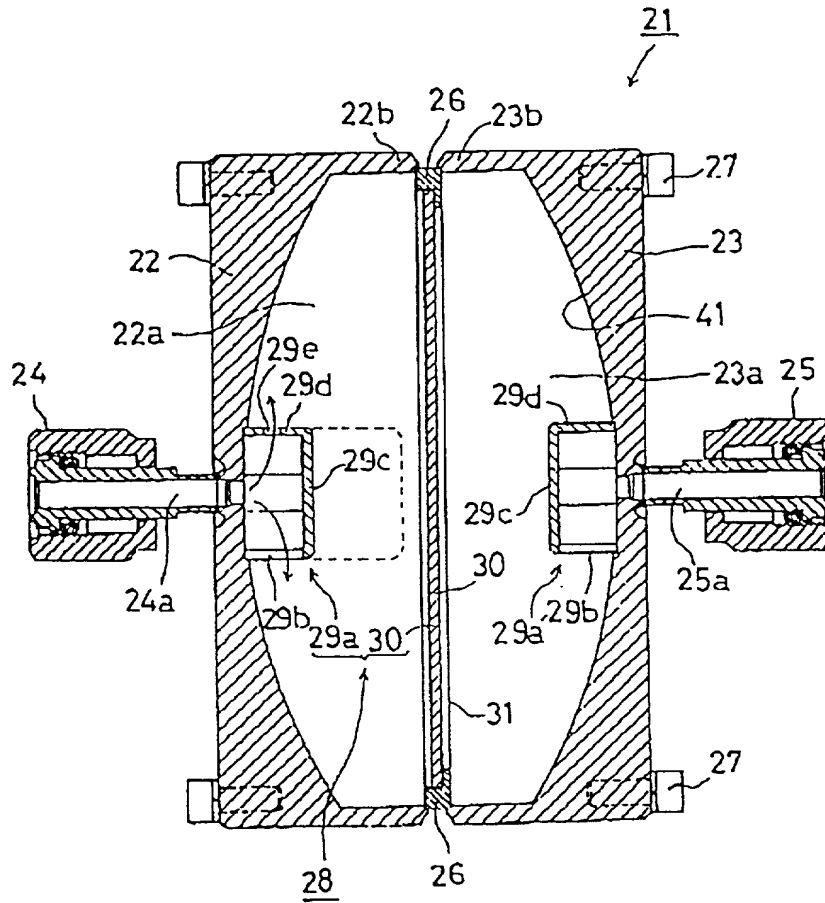


Fig. 50

~~Fig. 50~~

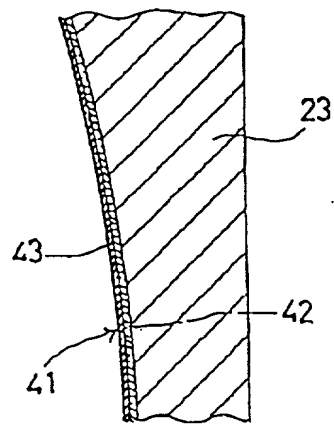


Fig. 51
~~Fig. 51~~

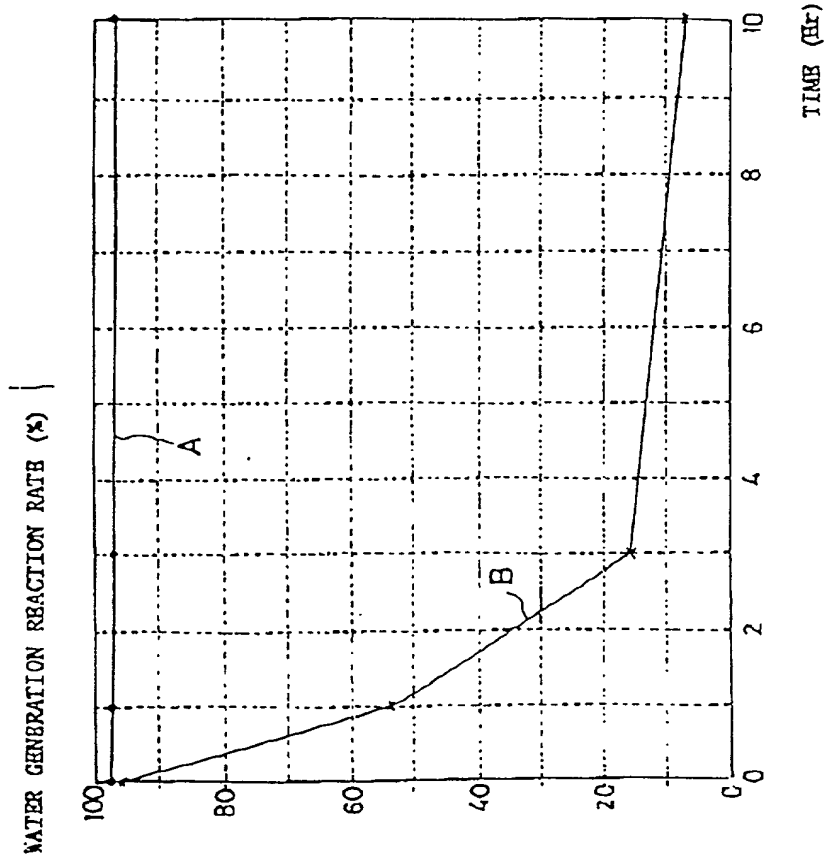


Fig. 52

~~Fig. 52~~

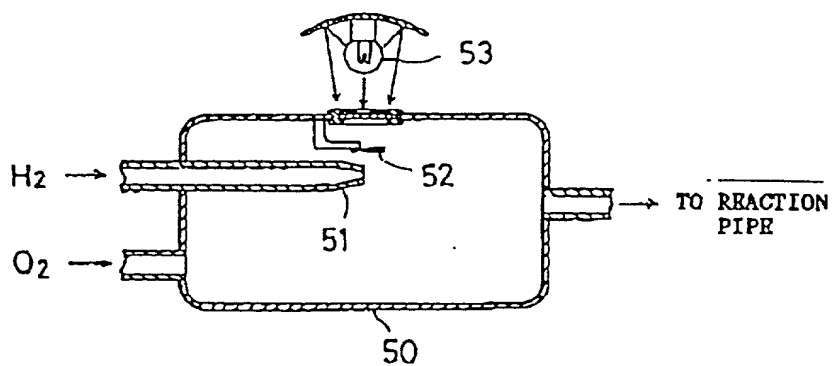


Fig. 53

~~Fig. 53~~

